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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/523,600	09/26/2005	Adolf-Gustav Zajber	HM-614PCT	5833
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FRIEDRICH KUEFFNER				
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NEW YORK, NY 10017				
EXAMINER				
KERNS, KEVIN P				
ART UNIT		PAPER NUMBER		
1793				
MAIL DATE		DELIVERY MODE		
10/08/2008		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

**Application No.**

10/523,600

**Applicant(s)**

ZAJBER ET AL.

**Examiner**

Kevin P. Kerns

**Art Unit**

1793

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 10 July 2008.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-10 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-10 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 04 February 2005 and 10 July 2008 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO/S508)  
Paper No(s)/Mail Date \_\_\_\_\_  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_  
5) ☐ Notice of Informal Patent Application  
6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Drawings***

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: "20" (see specification, page 7, line 16). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-4 and 6-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Weyer et al. (US 6,386,268).

As to claim 1, Weyer et al. disclose a method for adjusting roller segments comprising the steps of adjusting rollers (3) relative to each other by both position control and pressure control. The rollers (3) are adjusted from position control to pressure control when the hydraulic pressure in the piston-cylinder unit reaches a predetermined value (abstract; and Figures 1 and 2). As to claims 2 and 4, the driven rollers (the last roller of the set of rollers 3) are arranged on the segment exit side and include a switching operation. As to claim 3, a containment roll stand is arranged after the bending-straightening unit, having hydraulics piston-cylinder assembly with position and pressure controlled devices (Figures 1 and 2). As to claim 6, the control systems are capable of calculating the adjustment of the hydraulics and automatically control the hydraulics. As to claims 7 and 8, the control systems are capable of controlling the hydraulics by calculating roll spring compensation, minimum/maximum force regulator, positioning, torque, and speed. As to claim 9, Weyer et al teach both pressure and position sensors (abstract; column 2, lines 17-67; column 3, lines 1-30; and Figures 1 and 2).

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

6. Claims 5 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Weyer et al. (US 6,386,268).

Weyer et al. disclose the above invention as claimed, but fail to teach that the drive motor for a driven motor is arranged, together with a transfer case, on one side of the segment frame with a vertical drive shaft orientation. However, it would have been obvious to one of ordinary skill in the art to arrange the drive motor together with the transfer case on one side of the frame, since this would depend on the design expediency. As to claim 10, Weyer et al. fail to teach that the drive motor for the driven motor communicates with the basic automation system. However, it would have been obvious to connect the drive motor to the automation system, since the entire device is driven automatically.

***Response to Arguments***

7. The examiner acknowledges the applicants' amendment and replacement drawing sheet received by the USPTO on July 10, 2008. Since the replacement drawing sheet (Figure 1) does not include reference number "20" (see section 1 of the prior Office Action), the drawing objections continue to be presented in above section 1. However, corrections to the abstract, specification, and claims overcome the drawing objection of reference number "28", as well as prior objections to the abstract, specification, and claims. In addition, the amendments to the claims overcome all prior 35 USC 112, 2<sup>nd</sup> paragraph rejections. Claims 1-10 remain under consideration in the application.

8. Applicants' arguments filed July 10, 2008 have been fully considered but they are not persuasive.

With regard to the applicants' remarks/arguments on page 13 of the amendment, the applicants' major argument is that Weyer et al. allegedly do not disclose and/or suggest "the hot bar zone and the soft reduction zone". The examiner respectfully disagrees with this argument. As previously argued by examiner, the continuous casting device of Weyer et al. is used for adjusting an installation roll segment for use in billet casting, and the automatic segment control system and basic automation system are disclosed in the form of a combination of hydraulic cylinder units (8,11) assigned with pressure sensors (12,13) and locators 14, in which their output signals are transmitted to a computer unit 15 (see column 2, lines 34-62; and Figures 1 and 2).

Second, the supporting zone 4 is soft reduction zone that contains solidified billet 5. Furthermore, the term "hot bar zone" is relative term. Since it is a soft reduction zone and these rollers are meant to roll while the billet is still hot, the examiner is interpreting this zone to still be hot. In other words, the applicants did not distinctly claim how hot this zone would be. It is suggested that the applicants claim the rollers operated on the billet while the billet is in a semi-solid state. At least, this would be more definite than just a "hot zone", which can be interpreted as being at any temperature. As a result, claims 1-10 remain rejected.

### ***Conclusion***

9. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dr. Kevin P. Kerns whose telephone number is (571)272-1178. The examiner can normally be reached on Monday-Friday from 8:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jessica Ward can be reached on (571) 272-1223. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kevin P. Kerns  
Primary Examiner  
Art Unit 1793

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September 29, 2008